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# NOTICE OF ALLOWANCE AND FEE(S) DUE

22930

7590

01/02/2002

HOWREY SIMON ARNOLD & WHITE LLP BOX 34 1299 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004 TRAN, MINH LOAN

ART UNIT CLASS-SUBCLASS

2826 257-059000

DATE MAILED: 01/02/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/585,427	06/02/2000	Park Woon-Yong	06192.0136	6376

TITLE OF INVENTION: THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR A LIQUID CRYSTAL DISPLAY AND A METHOD FOR FABRICATING THE SAME

TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
17	nonprovisional	NO	\$1280	\$0	\$1280	04/02/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
  - ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and mail this form, together with applicable fee(s), to:

**Box ISSUE FEE** 

**Assistant Commissioner for Patents** 

Washington, D.C. 20231

where appropriate. All fu	rther correspondence is d below or directed ot	ncluding the Patent, advang	ce orders and notification	of maintenance fees	will be mailed to the curren	ough 4 should be completed at correspondence address as arate "FEE ADDRESS" for
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HOWREY SIMON ARNOLD & WHITE LLP			•	or formal drawing, mi	ist have its own certificate o	per, such as an assignment of mailing.
BOX 34					Certificate of Mailing	
	VANIA AVENUE	ENW	j	l hereby certify that United States Postal S	this Fee(s) Transmittal is ervice with sufficient posta	being deposited with the ge for first class mail in an dress above on the date
WASHINGTON	, DC 20004		ي ا	envelope addressed ndicated below.	to the Box Issue Fee ad	dress above on the date
			_			(Depositor's name)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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17	nonprovisional	NO	\$1280	\$0	\$1280	04/02/2002
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	MINER	ART UNIT	CLASS-SUBCLA	SS		
TRAN, M	INH LOAN	2826	257-059000			
CFR 1.363). Use of PTC but not required.	O form(s) and Custome indence address (or Cha i/122) attached.	tion of "Fee Address" (37 r Number are recommende nge of Correspondence	the names of up or agents OR, al single firm (havi attorney or agen	n the patent front page to 3 registered patent ternatively, (2) the rang as a member a t) and the names of attorneys or agents. I will be printed.	attorneys 1	
PLEASE NOTE: Unles been previously submitt (A) NAME OF ASSIGN	s an assignee is identif ed to the USPTO or is NEE	being submitted under sep	ta will appear on the par arate cover. Completion ) RESIDENCE: (CITY a	ent. Inclusion of assign of this form is NOT a sand STATE OR COU	substitute for filing an assi <sub>l</sub> NTRY)	
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Authorized Signature)		(Date)				<u> </u>
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/585,427	06/02/2000	Park Woon-Yong	06192.0136 6376 EXAMINER		
22930	7590 01/02/2002				
HOWREY SIMON ARNOLD & WHITE LLP			TRAN, MINH LOAN		
BOX 34 1299 PENNSYL	VANIA AVENUE NW		ART UNIT	PAPER NUMBER	
WASHINGTON, DC 20004			2826		
			DATE MAILED: 01/02/2002		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 41 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 41 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Application No.	Applicant(s)				
09/585.427	WOON-YONG ET	AL.			
Examiner	Art Unit				
Minhloan T. Tran	2826				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.					
<u>12/2001</u> . xaminer. er 35 U.S.C. § 119(a)-(d) o	r (f).				
been received.					
been received in Application	on No				
cuments have been received	d in this national stage applica	ation from the			
oder 35 I I S C & 110(e) (to	a provisional application)				
		,			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
son's Patent Drawing Revie	w ( PTO-948) attached				
1) hereto or 2) to Paper No					
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.					
s Amendment / Comment o	r in the Office action of Paper	No			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.					
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
4⊡ Interview 6⊠ Examine	v Summary (PTO-413), Papel er's Amendment/Comment	r No			
	Minhloan T. Tran  ars on the cover sheet winter (OR REMAINS) CLOSED in corother appropriate communication is sand MPEP 1308.  12/2001.  Examiner.  This application is sand MPEP 1308.  12/2001.  Examiner.  The rest of Su.S.C. § 119(a)-(d) of the communication is sand marked been received in Application and ship application has been received in the communication to file and this application. THIS THREST in the communication of the communication in the communication in the communication of the communication in	Minhloan T. Tran  2826  ars on the cover sheet with the correspondence addition or other appropriate communication will be mailed in due GHTS. This application is subject to withdrawal from issuand MPEP 1308.  12/2001.  xaminer. er 35 U.S.C. § 119(a)-(d) or (f). been received in Application No cuments have been received in this national stage application has been received. hder 35 U.S.C. § 119(e) (to a provisional application). pplication has been received. hder 35 U.S.C. §§ 120 and/or 121.  this communication to file a reply complying with the requisities application. THIS THREE-MONTH PERIOD IS NOT on (s) why the oath or declaration is deficient.  son's Patent Drawing Review (PTO-948) attached correction filed, which has been approved by the samendment / Comment or in the Office action of Paper (with a transmittal letter addressed to the Official Draftspers sit of BIOLOGICAL MATERIAL must be submitted. HE DEPOSIT OF BIOLOGICAL MATERIAL.  2  Notice of Informal Patent Application 4 Interview Summary (PTO-413), Paper 6 Examiner's Statement of Reasons for			

Application/Control Number: 09/585,427

Art Unit: 2826

### **DETAILED ACTION**

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Cancel non-elected claims 1-32, 50-62.

### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance:

There was no prior art found by the examiner that suggested modification or combination with the cited prior art so as to satisfy the combination of the present independent claims 33, 36, 44; especially, the prior art does not provide a detail and structural interrelationship between an exposed insulating substrate, the gate lines, the data lines, a first insulating layer, a second insulating layer, a color filter and a pixel electrode as recited in claims 33, 36, 44.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Minhloan T. Tran whose telephone number is (703) 308-

4919. The examiner can normally be reached on Monday-Friday 9:00 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nathan J. Flynn can be reached on (703) 308-6601. The fax phone

numbers for the organization where this application or proceeding is assigned are (703)

308-7722 for regular communications and (703) 308-7722 for After Final

communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

0956.

Mlt 12/2001 Minhloan T. Tran **Primary Examiner** 

dentonton

Art Unit 2826